

ABSTRACT

A portable transceiver of one or more signals includes an input, frequency modulation, a splitter and a plurality of lasers in a transmitter module. A receiver module includes a Mangin mirror aligned with an input aperture. A photodiode receives the signal from the mirror for subsequent demodulation. An interference filter is arranged between the mirror and the photodiode. The filter is hemispherical, having a center of curvature at the focal point of the mirror. The transceiver may include a video camera and gyro-stabilizer accessories. A visual siting scope is aligned with the lasers and the receiver. A separate transceiver for ethernet input signals interfaces with a 10/100 ethernet switch and does not employ frequency modulation.